Title (en)
Fluid level sensing systems.

Title (de)
Flüssigkeitsniveau Fühlsysteme.

Title (fr)
Systèmes de détection du niveau de fluide.

Publication
EP 0618428 A2 19941005 (EN)

Application
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Priority
GB 9306417 A 19930327

Abstract (en)
A fluid level sensing system, particularly for sensing the water level in a steam generating boiler, comprises a vessel connected to the boiler so as to contain water and steam at substantially the same level as in the boiler, a number of vertically spaced electrodes projecting into the vessel, and circuitry for measuring the electrical impedance sensed by each electrode. The circuitry, which can be multiplexed to each electrode in turn, includes a first comparator for producing an output when the sensed impedance lies between the normal maximum impedance of the water and the normal minimum impedance of the steam above the water, this output being demultiplexed to drive a vertical display to show the level of the steam/water interface. The circuitry additionally includes a second comparator for producing a further output when the sensed impedance lies below the normal minimum impedance of the water, which further output is indicative of a variety of different fault conditions and drives a fault indicator. <IMAGE>

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IPC 8 full level
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